

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 07/03/2015 09:26 AM
Cytometer Baseline: 04/20/2015 11:37 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 51739, **Expiration Date:** 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124677	-1	2.61	124492	2.6
Blue	F	SSC	125000	123389	-2	2.73	124204	2.38
Blue	E	FITC	17998	17547	-3	2.89	990	8.85
Blue	D	PE	23234	22734	-3	2.51	1026	8.03
Blue	B	PerCP-Cy5-5	69571	68954	-1	3.08	1811	12.97
Blue	A	PE-Cy7	77815	77065	-1	4.06	1003	23.92
Red	C	APC	65936	65401	-1	2.93	3686	8.29
Red	A	APC-Cy7	100669	100742	0	3.1	1981	7.99
Violet	B	V450	10405	9885	-5	3.45	614	8.28
Violet	A	V500	47250	46163	-3	3.02	2607	5.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19517	11.33	600	21	N/A	N/A	Pass
Blue	F	SSC	61457	1.66	509	20	N/A	N/A	Pass
Blue	E	FITC	107	34.21	527	12	0.0263	90	Pass
Blue	D	PE	212	23.89	520	13	0.1812	134	Pass
Blue	B	PerCP-Cy5-5	216	38.89	605	15	0.0116	0	Pass
Blue	A	PE-Cy7	76	93.52	661	15	0.0163	10	Pass
Red	C	APC	344	26.53	586	8	0.0209	15	Pass
Red	A	APC-Cy7	125	37.72	566	7	0.005	855	Pass
Violet	B	V450	65	43.51	465	15	0.0439	1939	Pass
Violet	A	V500	170	21.18	506	18	0.0152	166	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.74	-31.50	0.72
Blue	20.48	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.18
Red	15.92	13.07 - 19.61	N/A	N/A	31.98	32.38	1.10

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 12811

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments